2.2 Similarly for Kochi city (Kerala) detailed project report, an independent financial analyst ICRA concluded that the Sky Bus Project is financially viable for Kochi city with 14% rate of return.

3.0 **Certification for safety :**

Internationally renowned safety certifying agency M/s TUV Inter Traffic Gmbh,. Germany, an accredited European certifier for transport systems has consented to be the associates to certify for the safety of Sky Bus systems of Ko kan Railway Corporation.

4.0 **Comparative economics of Sky Bus Metro system and Elevated Metro system:**

4.1 The elevated metro at present is found to be costing between Rs. 100 crores to Rs. 120 crores per route km. In comparison, for the same level of performance, the Sky Bus Metro costs between Rs. 45 crores to Rs. 50 crores per km.

4.2 Sky Bus does not require land at most of the occasion since it follows roads and hence can be constructed within 2 to 3 years in any city.

4.3 Both PWC and ICRA evaluated financials without taking into account any revenues from cargo or real estate exploitation. Accounting only for fare box collections, has given returns varying from14% to 18%.

Railway Projects in Maharashtra

466. SHRI MURLI DEORA: Will the Minister of RAILWAYS be pleased to state:

(a) the number and names of on going railway projects in Maharashtra and the number of projects sanctioned this year;

(b) the present position of these projects and the likely date of completion; and

(c) the number of projects held up due to paucity of funds and the steps taken to provide requisite funds?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI BASANAGOUDA R. PATIL): (a) and (b) There are five ongoing new line projects, six gauge conversion projects, four doubling projects and five metropolitan transport projects in Maharashtra. One doubling project and one composite Mumbai Urban Transport Project have been included in the budget this year. A statement giving names of the ongoing projects their present position and the likely date of completion, wherever fixed, is enclosed. (*See* below)

(c) The projects are being progressed as per availability of resources. A number of initiatives have been taken to augment resources for expediting completion of the ongoing projects. These include sharing by State Governments, Public/Private Partnership, funding from Ministry of Defence, additional resources for National Project of Udhampur-Srinagar-Baramulla and funds for National Rail Vikas Yojana. With these efforts, it may be feasible to expedite the progress of projects.

Statement

Rail Projects in Maharashtra

Sl. No.	Name of the on-going projects	Present position of the project and likely date of completion wherever fixed
1	2	3
New Lines		
1	Ahmednagar-Beed-Parli Vaijnath	Final location survey has been completed. Earthwork and bridgework are in progress in 15 km. stretch from Ahmednagar end.
2.	Amravati-Narkher	Land acquisition, earthwork, minor and major bridges are in progress. Work is being progressed as per availability of resources.
3.	Baramati-Lonad	Estimate sanctioned, Land papers for Lonad-Phalton (27 km.) submitted to State Government. Tender for earthwork and bridges processed.

1	2	3
4.	Panvel-Kajrat	Earthwork, bridge works and tunneling are in advanced stage. The work is targeted for completion during 2003-04.
5.	Puntamba-Shirdi	Final location survey has been completed. Land acquisition papers to 7 villages submitted to State Government. The bridge work are in progress.
Gauge Conversion		
1.	Akola-Purna	Earthwork and bridges are in progress in entire section.
2.	Jabalpur-Gondia including Balaghat	On Gondia-Balaghat (42 km) section, all preliminary works have been completed and Katangi (suppl.) mega block has been taken from 17-01-03. Bridge on Bagh river (7x60') is in progress. On Jabalpur-Balaghat section, land acquisition 12 km stretch has been processed and earthwork and bridges taken up. Gondia-Balaghat (41 km) section is targeted for completion during 2003-04.
3.	Miraj-Latur	The work is being progressed in phases. Kuruduwadi to Pandharpur (52 km) and Latur-Latur Road (33 km) have been completed. Earthwork and bridges are in progress in Kuruduwadi-Latur section.

1	2	3
4.	Mudkhed-Adilabad	Earthwork, bridges etc. are in progress.
5.	Secundarabad-Mudkhed & Jankhampet-Bodhan	The work from Mudkhed-Nizamabad (89 km) and Jankhampet-Bodhan (20 km) completed and commissioned. On Niamabad-Bolarum section, earthwork, bridge works and other works are in progress. Bolarum-Manoharabad is likely to be completed during 2003-04.
6.	Solapur (Hotgi)-Gadag	The work is being done in phases. Solapur-Hotgi (16 km) and Hotgi to Bijapur (94 km) section have been completed. Earthwork, bridgework and ballast collection is in progress on rest of section from Bijapur to Gadag.
Doubling		
1.	Diva-Kalyan	Earthwork, bridgework, ballasting and track linking are in progress.
2.	Pakni-Mahol	New work included in the Budget 2003-04. The work is to be implemented by Rail Vikas Nigam Ltd.
3.	Pakni-Solapur	Earthwork and bridgeworks are in progress.
4.	Panvel-Jasai-JNPT	Earthwork and bridgeworks are in progress.
Metropolitan Projects		
1.	Belapur-Panvel-doubling of commuter of double	Double line has been commissioned and opened for commuter traffic on 14-04-2000.

1	2	3
	line as part of East-West Corridor	Balance works to be executed by CIDCO are in progress.
2.	Belapur-Seawood-Uran electrified double line	Work of important bridge on Panvel creek, construction of minor bridges, sub way at Seawood and work at Sanpada car shed are in progress. Due to financial crunch being faced by CIDCO, execution of the project has been divided in two phases. First phase consisting of commissioning of single line was targeted to be completed by March, 2003. However, in view of the financial constraints being faced by CIDCO, the completion of Phase-I is delayed. Targeted date of IInd phase will be decided subsequently depending upon availability of resources with M/s. CIDCO.
3.	Mumbai Urban Transport Project (MUTP)	The various sub works are in progress.
4.	Thana Turbhe Nerul/ Vashi part of corridor No. 1 in New Mumbai	Civil works for second line are nearing completion. Electrification and signaling works are in progress. Delay in acquisition of land at Thane affected the progress of work. With the acquisiton of land recently, Thane-Turbhe-Vashi section is expected to be commissioned by end of the year in Phase-I, provided CIDCO makes available full funds.
5.	Thane-Mumbra-Diva 5th and 6th line	The requisite approvals are awaited. The work is under National Rail Vikas Yojana.